

2008 Summary of Research Reports

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Project: High Speed Boat Modeling

Sponsor: NRL

Statement of Work:

In this project, I will be developing a reasonable model for a planning high speed boat and/or a personal watercraft (jet ski). A conceptual model has been developed by engineers at the Naval Research Laboratory. My task is to collect performance data from actual vehicles, use some of this data to estimate the unknown parameters in the model, and use other sets of data to verify the model. If the identified model is not sufficiently accurate, the modeling assumption will be revisited, the conceptual model will be modified, and the identification and verification process will be revisited